



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

June 2, 2004

Certified Mail No. 7000 1670 0013 8129 5092

Brandon Larsen, President
Blaine Larsen Farms, Inc., Dehydration Division
P.O. Box 188
Hamer, Idaho 83425

RE: Facility ID No. 033-00002, Dehydration Plant, Dubois
Final Tier II Operating Permit and Permit to Construct

Dear Mr. Larsen:

The Department of Environmental Quality (DEQ) is issuing Tier II operating permit and Permit to Construct (PTC) No. T2- 030514 for the Blaine Larsen Farms Dehydration Division facility located near Dubois, in accordance with IDAPA 58.01.01.200 through 228 and 400 through 461, *Rules for the Control of Air Pollution in Idaho (Rules)*.

The enclosed Tier II operating permit and PTC is based on the information contained in your permit application and on the relevant comments received during the public comment period. Modification to and/or renewal of this Tier II/PTC permit shall be requested in a timely manner in accordance with the *Rules*.

A representative of the Idaho Falls Regional Office will contact you regarding a meeting with DEQ to discuss the permit terms and requirements. DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to call Mike Simon at (208) 373-0212 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in cursive script that reads "Martin Bauer".

Martin Bauer, Administrator
Air Quality Division

Enclosure

MB/KH/sd Permit No. T2-030514



**Air Quality
TIER II OPERATING PERMIT
and
PERMIT TO CONSTRUCT**

**State of Idaho
Department of Environmental Quality**

PERMIT NO.: T2-030514

FACILITY ID NO.: 033-00002

AQCR: 61

CLASS: A

SIC: 2034

ZONE: 12

UTM COORDINATE (km): 402.4 , 4881.8

1. PERMITTEE

Blaine Larsen Farms, Inc. Dehydration Division

2. PROJECT

Potato Dehydration Plant

3. MAILING ADDRESS

PO Box 188

CITY

Hamer

STATE

ID

ZIP

83425

4. FACILITY CONTACT

Jan Nel

TITLE

Plant Manager

TELEPHONE

(208) 374-5592

5. RESPONSIBLE OFFICIAL

Brandon Larsen

TITLE

President

TELEPHONE

(208) 662-5501

6. EXACT PLANT LOCATION

Section 28, Township 9 North, Range 36 East

COUNTY

Clark

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Potato Dehydration

8. PERMIT AUTHORITY

This permit to construct and Tier II operating permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.200-228 and IDAPA 58.01.01.400-470, respectively. This permit pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit. Only the terms and conditions pertaining to Tier II operating permit requirements are subject to the expiration date of this permit.

This permit is not transferable to another person, place, or piece or set of equipment, and will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (DEQ) technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to DEQ review in accordance with IDAPA 58.01.01.200 of the *Rules for the Control of Air Pollution in Idaho*.


STEPHEN ALLRED, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL QUALITY

J. R. Sandoval
Chief of Staff

DATE ISSUED: June 2, 2004

DATE EXPIRES June 2, 2009

Table of Contents

ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE	3
1. PERMIT SCOPE	4
2. FACILITY-WIDE CONDITIONS	5
3. BOILER	9
4. DRYER PROCESSES AND MATERIAL TRANSFER SYSTEMS	20
5. SUMMARY OF EMISSION RATE LIMITS	25
6. PERMIT GENERAL PROVISIONS	26

Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
AFS	AIRS Facility Subsystem
AIRS	Aerometric Information Retrieval System
AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
Btu	British thermal unit
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	Environmental Protection Agency
gr	grain (1 lb = 7,000 grains)
HAPs	Hazardous Air Pollutants
IDAPA	A numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pound per hour
m	meter(s)
MMBtu	Million British thermal units
ng/J	nanograms per Joule
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
PM ₁₀	Particulate Matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million
PTC	Permit to Construct
PTE	Potential to Emit
<i>Rules</i>	<i>Rules for the Control of Air Pollution in Idaho</i>
scf	standard cubic feet
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO ₂	sulfur dioxide
SO _x	sulfur oxides
T/yr	Tons per year
µg/m ³	micrograms per cubic meter
UTM	Universal Transverse Mercator
VOC	volatile organic compound

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

1. PERMIT SCOPE

Purpose

- 1.1 This is an original Tier II operating permit and Permit to Construct (PTC) for this facility. This permit satisfies the PTC requirements for the sources that were constructed or modified in the past and did not obtain the PTC at that time (see Table 1.1). This permit also satisfies the PTC requirements for a proposed Boiler modification to burn very low sulfur oil as defined by 40 CFR 60.41b, including limits to keep the facility's potential to emit below the Prevention of Significant Deterioration (PSD) threshold.

Regulated Sources

- 1.3 Table 1.1 lists all sources of regulated emissions in this permit.

Table 1.1 SUMMARY OF REGULATED SOURCES

Permit Section	Source Description	Emission Unit/Stack Id	Emissions Control(S)
2	Two 30,000 gallon fuel oil storage tanks	None	None
2	Propane Heater No. 1, Maxon, 1.2 MMBtu/hr	REC 1	None
2	Propane Heater No. 2, Maxon, 1.2 MMBtu/hr	REC 2	None
2	Propane Heater No. 3, Maxon, 1.2 MMBtu/hr	REC 3	None
3	Boiler, Wabash Power Equipment Co., 144 MMBtu/hr	Boiler	Low-NO _x Burner
4	Dryer, Maxon, fluidized bed type	FLD DYR	None
4	Dryer, National, belt type with Stages A1, A2, B, and C	NAT_A1, NAT_A2, NAT_B, NAT_C	None
4	Dryer, Flaker/Drum type, Nos. 1-12	DRUM1 through DRUM12	None
4	Flake Packaging Bulk Line	FP_BULK	Baghouse, Micropulsair
4	Flake Packaging Line	FP	Baghouse, Micropulsair
4	Flake Packaging Torit Line	FP_TOR	Baghouse, Torit
4	Flake Packaging Drum Negative Air Baghouse	FP_BH	Baghouse, Nol-Tech

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.
Location: Dubois, ID

Facility ID No.: 033-00002

Date Issued: June 2, 2004
Date Expires: June 2, 2009

2. FACILITY-WIDE CONDITIONS

Fugitive Emissions

- 2.1 All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.01.01.650-651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:
- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
 - Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.
 - Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
 - Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
 - Paving of roadways and their maintenance in a clean condition, where practical.
 - Prompt removal of earth or other stored material from streets, where practical.
- 2.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive emissions.
- 2.3 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
- 2.4 The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each quarterly fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

Odors

- 2.5 The permittee shall not allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution in accordance with IDAPA 58.01.01.775-776.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee:	B. Larsen Farms, Inc.	Facility ID No.:	033-00002	Date Issued:	June 2, 2004
Location:	Dubois, ID			Date Expires:	June 2, 2009

- 2.6 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall, at a minimum, include the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

Visible Emissions

- 2.7 The permittee shall not discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, NO_x, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.
- 2.8 The permittee shall conduct a monthly facility-wide inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation for each potential source. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. A minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each monthly visible emissions inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

Excess Emissions

- 2.9 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

Open Burning

- 2.10 The permittee shall comply with the requirements of IDAPA 58.01.01.600-616, *Rules for Control of Open Burning*.

Performance Testing

- 2.11 If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.

Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

Monitoring and Recordkeeping

- 2.12 The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this operating permit. Records of monitoring information shall include, but not be limited to the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

Reports and Certifications

- 2.13 Any reporting required by this permit, including but not limited to, records, monitoring data, supporting information, requests for confidential treatment, notification of intent to test, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. Any reporting required by this permit shall be submitted to the following address:

Air Quality Permit Compliance
Department of Environmental Quality
Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
Phone: (208) 528-2650
Fax: (208) 528-2695

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

Obligation to Comply

- 2.14 Receiving a Tier II operating permit shall not relieve any owner or operator of the responsibility to comply with all applicable local, state, and federal rules and regulations in accordance with IDAPA 58.01.01.406.

Fuel-burning Equipment

- 2.15 The permittee shall not discharge PM to the atmosphere from any fuel-burning equipment in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas or 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid fuel in accordance with IDAPA 58.01.01.676-677.

Sulfur Content

- 2.16 No person shall sell, distribute, use, or make available for use any distillate fuel oil containing more than the following percentages of sulfur in accordance with IDAPA 58.01.01.725-728:
- ASTM Grade 1 fuel oil - 0.3% by weight.
 - ASTM Grade 2 fuel oil - 0.5% by weight.
 - Residual fuel oil (ASTM Grades 4, 5, and 6) – See Section 3 of this permit.

NSPS Subpart Kb - Fuel Oil Storage Tanks

- 2.17 The permittee shall keep readily accessible records showing the dimensions and an analysis of the capacity of the two 30,000 gallon fuel oil storage tanks utilized at the facility in accordance with 40 CFR 60.116b(b).

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.
Location: Dubois, ID

Facility ID No.: 033-00002

Date Issued: June 2, 2004

Date Expires: June 2, 2009

3. BOILER

3.1 Process Description

A 144 MMBtu/hr Wabash Power Equipment Co. boiler (Boiler) produces steam for the production of dehydrated potato products which includes steam peeling, blanching, cooking and drying operations. The Boiler utilizes a low-NO_x burner to reduce NO_x emissions and it is an affected facility under the New Source Performance Standards (NSPS) of 40 CFR Part 60 Subpart Db. The Boiler may combust propane, natural gas or any ASTM grade of oil. To reduce SO₂ emissions, any oil combusted must meet the NSPS Subpart Db definition for "very low sulfur oil."

Emissions Limits

3.2 SO₂ Emission Limit

Emissions of sulfur dioxide (SO₂) from the Boiler shall not exceed 1,680 pounds per day and 244 tons per year based on any consecutive 12-month period.

[PTC Condition]

3.3 PM₁₀ Emission Limit

Emissions of particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM₁₀) from the Boiler shall not exceed 199 pounds per day.

[PTC Condition]

3.4 SO₂ Emission Limit - NSPS

Except as provided in 40 CFR 60.42b(j), on and after the date on which the performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, the permittee shall not cause to be discharged into the atmosphere any gases that contain sulfur dioxide in excess of 0.80 lb/MMBtu (340 ng/J) in accordance with 40 CFR 60.42b(a).

[PTC Condition]

3.5 Compliance with the emission limits, fuel oil sulfur limits, and/or percent reduction requirements under this section are determined on a 30-day rolling average basis in accordance with 40 CFR 60.42b(e).

[PTC Condition]

3.6 The sulfur dioxide emission rate limit under 40 CFR 60.42b applies at all times, including periods of startup, shutdown, and malfunction in accordance with 40 CFR 60.42b(g).

[PTC Condition]

3.7 Percent reduction requirements are not applicable to affected facilities combusting only very low sulfur oil in accordance with 40 CFR 60.42b(j).

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

3.8 NO_x Emission Limit - NSPS

On and after the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8, whichever date comes first, no owner or operator of an affected facility that is subject to the provisions of this section and that combusts only oil or natural gas shall cause to be discharged into the atmosphere from that affected facility any gases that contain nitrogen oxides (expressed as NO₂) in excess of the following emission limits in accordance with 60.44b(a):

(1) Natural gas and distillate oil:

(ii) High heat release rate.....0.20 lb/MMBtu (86 ng/J) heat input

(2) Residual oil:

(ii) High heat release rate.....0.40 lb/MMBtu (170 ng/J) heat input

[PTC Condition]

3.9 For purposes of 40 CFR 60.44b(i), the nitrogen oxide standards under this section apply at all times including periods of startup, shutdown, or malfunction in accordance with 40 CFR 60.44b(h).

3.10 Compliance with the NO_x emission limits under this section is determined on a 30-day rolling average basis in accordance with 40 CFR 60.44b(i).

[PTC Condition]

3.11 Opacity - NSPS

On and after the date on which the performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, the permittee shall not cause to be discharged into the atmosphere any gases that exhibit greater than 20% opacity (six-minute average), except for one six-minute period per hour of not more than 27% opacity in accordance with 40 CFR 60.43b(f). This opacity standard applies at all times, except during periods of startup, shutdown, and malfunction in accordance with 40 CFR 60.43b(g). This opacity standard only applies when fuel oil is fired in the boiler and it does not apply when the boiler is fired using natural gas and propane.

[PTC Condition]

Operating Requirements**3.12 Fuel Types**

The permittee may combust in the Boiler only natural gas, propane, and ASTM grade 1-6 fuel oil. Any fuel oil combusted must meet the following definition for "very low sulfur oil" given by 40 CFR 60.41b:

"Very low sulfur oil means an oil that contains no more than 0.5 weight percent sulfur or that, when combusted without sulfur dioxide emission control, has a sulfur dioxide emission rate equal to or less than 215 ng/J (0.5 lb/million Btu) heat input".

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514**Permittee:** B. Larsen Farms, Inc.**Facility ID No.:** 033-00002**Date Issued:** June 2, 2004**Location:** Dubois, ID**Date Expires:** June 2, 2009**3.13 Fuel Oil Throughput**

The maximum quantity of very low sulfur fuel oil combusted in the Boiler shall not exceed any of the following:

- 21,336 gallons per calendar day; and
- 6.2 million gallons per any consecutive 12-month period.

[PTC Condition]**3.14 Fuel Oil Sulfur and Nickel Content**

The fuel oil combusted in the Boiler shall contain no more than 0.5% sulfur by weight, and no more than 0.00034 pounds of nickel by weight per 1000 gallons.

[PTC Condition]**3.15 Stack Height Modifications**

Prior to combusting any type of fuel oil in the Boiler, all of the following exhaust stack modifications shall be completed:

- The height of the Boiler exhaust stack shall be increased to be at least 45 feet, as measured from the ground level elevation.
- The height of each of the twelve Flaker/Drum Dryer stacks shall be at least 45.6 feet, as measured from the ground level elevation.
- Each of the four National Dryer Stacks shall be modified to have a vertical discharge, with no cap, and a height of at least 46 feet, as measured from the ground level elevation.

[PTC Condition]***Monitoring and Recordkeeping Requirements*****3.16 SO₂ - NSPS**

In accordance with 40 CFR 60.42b(j), the owner or operator of an affected facility combusting very low sulfur oil shall demonstrate that the oil meets the definition of very low sulfur oil by:

- (1) Following the performance testing procedures as described in 40 CFR 60.45b(c) or 60.45b(d), and following the monitoring procedures as described in 40 CFR 60.47b(a) or 60.47b(b) to determine sulfur dioxide emission rate or fuel oil sulfur content; or
- (2) Maintaining fuel receipts as described in 40 CFR 60.49b(r) and as specified by the EPA.

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

3.17 Fuel Receipts - NSPS

In accordance with 40 CFR 60.49b(r) and as specified by the EPA, the owner or operator of an affected facility who elects to demonstrate that the affected facility combusts only very low sulfur oil under 40 CFR 60.42b(j)(2) shall obtain and maintain at the affected facility fuel receipts from the fuel supplier which certify that the oil meets the definition of distillate oil as defined in 40 CFR 60.41b. For the purposes of this section, the oil need not meet the fuel nitrogen content specification in the definition of distillate oil.

[PTC Condition]

3.18 Fuel Receipts

For each shipment of fuel oil received, the permittee shall either obtain samples and a laboratory analysis, or obtain and maintain at the facility fuel receipts from the fuel supplier, which demonstrate:

- any ASTM Grade 1 or 2 fuel oil received complies with the fuel sulfur content limits specified in Permit Condition 2.16.
- the fuel oil combusted in the Boiler contains no more than 0.00034 pounds of nickel per 1000 gallons.

[PTC Condition]

3.19 Emission Monitoring for SO₂ - NSPS

In accordance with 40 CFR 60.47b(f), the owner or operator of an affected facility that combusts very low sulfur oil is not subject to the emission monitoring requirements of 40 CFR 60.47b if the owner or operator obtains fuel receipts, as described in 40 CFR 60.49b(r) and as specified by the EPA. Otherwise, the permittee shall comply with the emission monitoring requirements for SO₂ as required by 40 CFR 60.47b.

[PTC Condition]

3.20 Continuous Monitoring System for NO_x - NSPS

In accordance with 60.48b(g), to measure NO_x emissions the permittee shall either: comply with the provisions of 40 CFR 60.48b(b), 60.48b(c), 60.48b(d), 60.48b(e), and 60.48b(f), as given below, or; monitor steam generating unit operating conditions and predict NO_x emission rates as specified in a plan submitted pursuant to 40 CFR 60.49b(c).

- 3.20.1 Except as provided under paragraphs 40 CFR 60.48b(g), the owner or operator of an affected facility shall install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring nitrogen oxides emissions discharged to the atmosphere in accordance with 40 CFR 60.48b(b)(1).
- 3.20.2 The continuous monitoring system required under 40 CFR 60.48b(b)(1) shall be operated and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments in accordance with 40 CFR 60.48b(c).
- 3.20.3 The 1-hour average NO_x emission rates measured by the continuous NO_x monitor required by 40 CFR 60.48b(b) and required under 40 CFR 60.13(h) shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the average emission rates under 40 CFR 60.44b. The one-hour averages shall

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

be calculated using the data points required under 40 CFR 60.13(b). At least two data points must be used to calculate each one-hour average in accordance with 40 CFR 60.48b(d).

3.20.4 The procedures under 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. The span value for NO_x shall be 500 ppm in accordance with 40 CFR 60.48b(e).

3.20.5 When NO_x emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75% of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days in accordance with 40 CFR 60.48b(f).

[PTC Condition]

3.21 Fuel Combustion Records - NSPS

The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for distillate oil, residual oil, and natural gas for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month in accordance with 40 CFR 60.49b(d).

[PTC Condition]

3.22 Residual Oil Nitrogen Content Records - NSPS

For an affected facility that combusts residual oil and meets the criteria under 40 CFR 60.46b(e)(4), the owner or operator shall maintain records of the nitrogen content of the residual oil combusted in the affected facility and calculate the average fuel nitrogen content for the reporting period. The nitrogen content shall be determined using ASTM Method D3431-80, Test Method for Trace Nitrogen in Liquid Petroleum Hydrocarbons (IBR - see 40 CFR 60.17), or fuel suppliers. If residual oil blends are being combusted, fuel nitrogen specifications may be prorated based on the ratio of residual oils of different nitrogen content in the fuel blend in accordance with 40 CFR 60.49b(e) and as specified by the EPA.

[PTC Condition]

3.23 Opacity Continuous Monitoring System - NSPS

When fuel oil is fired in the boiler, the permittee shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere and record the output of the system in accordance with 40 CFR 60.48b(a). This requirement does not apply when only natural gas and propane are fired in the boiler.

[PTC Condition]

3.24 Opacity Records - NSPS

For facilities subject to the opacity standard under 40 CFR 60.43b, the owner or operator shall maintain records of opacity in accordance with 40 CFR 60.49b(f). This requirement applies when fuel oil is fired in the boiler and it does not apply when only natural gas and propane are fired in the boiler.

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514**Permittee:** B. Larsen Farms, Inc.
Location: Dubois, ID**Facility ID No.:** 033-00002**Date Issued:** June 2, 2004**Date Expires:** June 2, 2009**3.25 NO_x Monitoring Records - NSPS**

The owner or operator of an affected facility subject to the NO_x standards under 40 CFR 60.44b shall maintain records of the following information for each steam generating unit operating day in accordance with 40 CFR 60.49b(g):

- (1) Calendar date.
- (2) The average hourly NO_x emission rates (expressed as NO₂) (lb/MMBtu or ng/J heat input) measured or predicted.
- (3) The 30-day average NO_x emission rates (lb/MMBtu or ng/J heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly NO_x emission rates for the preceding 30 steam generating unit operating days.
- (4) Identification of the steam generating unit operating days when the calculated 30-day average NO_x emission rates are in excess of the NO_x emissions standards under 40 CFR 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
- (5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.
- (6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
- (7) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.
- (8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system.
- (9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3.
- (10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1.

[PTC Condition]**3.26 SO₂ Compliance and Performance Tests - NSPS**

In accordance with 40 CFR 60.45b(j), the owner or operator of an affected facility that combusts very low sulfur oil is not subject to the compliance and performance testing requirements of 40 CFR 60.45b if the owner or operator obtains fuel receipts. The fuel receipts shall be obtained as described in 40 CFR 60.49b(r) and as specified by the EPA. Otherwise, the permittee shall comply with the compliance and performance test methods and procedures for SO₂ specified in 40 CFR 60.45b by complying with the requirements of 40 CFR 60.45b(b), 60.45b(c), 60.45b(f), 60.45b(g), and 60.45b(h).

[PTC Condition]**3.27 Opacity Compliance and Performance Tests - NSPS**

To determine compliance with the opacity limits under 40 CFR 60.43b, the owner or operator of an affected facility shall conduct an initial performance test as required under 40 CFR 60.8 using Method 9 to determine the opacity of stack emissions in accordance with 40 CFR 60.46b(d) and 60.46b(d)(7). This

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

requirement applies when fuel oil is fired in the boiler and it does not apply when only natural gas and propane are fired in the boiler.

[PTC Condition]

3.28 NO_x Compliance and Performance Tests - NSPS

In accordance with 40 CFR 60.46b(c) and 60.46b(e), to determine compliance with the emission limits for NO_x required under 40 CFR 60.44b, the owner or operator of an affected facility shall conduct the performance test as required under 40 CFR 60.8 using the continuous system for monitoring NO_x under 40 CFR 60.48(b).

- 3.28.1 For the initial compliance test, NO_x from the steam generating unit is monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the NO_x emission standards under 40 CFR 60.44b. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period in accordance with 40 CFR 60.46b(e)(1).
- 3.28.2 Following the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8, whichever date comes first, the owner or operator of an affected facility which combusts *residual oil having a nitrogen content greater than 0.30 weight percent* shall comply with 40 CFR 60.46b(e)(2).
- 3.28.3 Following the date on which the initial performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, the owner or operator of an affected facility which has a heat input capacity of 73 MW (250 million Btu/hour) or less and which combusts natural gas, distillate oil, or *residual oil having a nitrogen content of 0.30 weight percent or less* shall *upon request* determine compliance with the NO_x standards under 40 CFR 60.44b through the use of a 30-day performance test. During periods when performance tests are not requested, NO_x emissions data collected pursuant to 40 CFR 60.48b(g)(1) or 60.48b(g)(2) are used to calculate a 30-day rolling average emission rate on a daily basis and used to prepare excess emission reports, but will not be used to determine compliance with the NO_x emission standards. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all of the hourly NO_x emission data for the preceding 30 steam generating unit operating days in accordance with 40 CFR 60.46b(e)(4).
- 3.28.4 If the owner or operator of an affected facility which combusts residual oil does not sample and analyze the residual oil for nitrogen content, as specified in 40 CFR 60.49b(e), the requirements of 40 CFR 60.46b(e)(2) apply and the provisions of 40 CFR 60.46b(e)(4) are inapplicable in accordance with 40 CFR 60.46b(e)(5).

[PTC Condition]

3.29 PM Performance Test

Within 60 days of achieving the maximum production rate of the Boiler when firing no. 6 fuel oil, but not later than 180 days after issuance of this permit, the permittee shall conduct a performance test to measure PM emissions from the Boiler stack, when firing no. 6 fuel oil, to demonstrate compliance with the PM emission limits in Permit Condition 2.15. The test shall be conducted in accordance with the procedures outlined in 40 CFR 60, Appendix A, Method 5, or a DEQ-approved alternative. The initial performance test, and any subsequent performance tests conducted to demonstrate compliance, shall be performed in

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.
Location: Dubois, ID

Facility ID No.: 033-00002

Date Issued: June 2, 2004
Date Expires: June 2, 2009

accordance with IDAPA 58.01.01.157, Section 2 of this permit. In addition, the following information shall be recorded during each performance test run and included in the performance test report:

- The Boiler shall be operated at the worst case normal production rate during the performance test. A description of how this requirement was met shall be included in the performance test report.
- Visible emissions shall be observed and recorded using the methods specified in IDAPA 58.01.01.625.
- The fuel throughput shall be recorded (e.g. gal/hr for oil or propane and cubic feet/hr for natural gas).
- The average steam production rate of the Boiler shall be recorded in pounds per hour and pounds per square inch.

After the initial performance test, future testing shall be performed according to the following schedule. If the PM emission rate measured in the most recent test is less than or equal to 75% of the emission standard in Permit Condition 2.15, the next test shall be conducted within five years of the test date. If the PM emission rate measured during the most recent performance test is greater than 75%, but less than or equal to 90%, of the emission standard in Permit Condition 2.15, the next test shall be conducted within two years of the test date. If the PM emission rate measured during the most recent performance test is greater than 90% of the emission standard in Permit Condition 2.15, the next test shall be conducted within one year of the test date.

[PTC Condition]

3.30 Records Retention - NSPS

All records required under 40 CFR 60.40b through 60.49b shall be maintained by the owner or operator of the affected facility for a period of five years following the date of such record, in accordance with Section 2 of this permit, to comply with 40 CFR 60.49b(o).

[PTC Condition]

Reporting Requirements

3.31 Initial Startup Report - NSPS

The permittee shall submit notification of the date of initial startup, as provided by 40 CFR 60.7. This notification shall include the information described by 40 CFR 60.49b(a).

[PTC Condition]

3.32 Initial Performance Test and CEMS Evaluation Reports - NSPS

The owner or operator of each affected facility subject to the SO₂, PM, and/or NO_x emission limits under 40 CFR 60.42b, 60.43b, and 60.44b shall submit to the EPA Administrator the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60, appendix B, in accordance with 40 CFR 60.49b(b). A copy of this information shall also be sent to DEQ at the address given in Section 2 of this permit. Applicability of this permit condition with regard to SO₂ shall be determined in accordance with Permit Condition 3.26.

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

3.33 NO_x Predictive Emissions Monitoring System Plan - NSPS

If the permittee seeks to demonstrate compliance with the standards of 40 CFR 60.44b through the monitoring of steam generating unit operating conditions under the provisions of 40 CFR 60.48b(g)(2), the following action shall be taken. The permittee shall submit to the EPA Administrator for approval a plan that identifies the operating conditions to be monitored under 40 CFR 60.48b(g)(2) and the records to be maintained under 40 CFR 60.49b(j). This plan shall be submitted to the EPA Administrator for approval within 360 days of the initial startup of the affected facility. The plan shall be submitted in accordance with 40 CFR 60.49b(c), and a copy shall also be sent to DEQ at the address given in Section 2 of this permit.

[PTC Condition]

3.34 Excess Emission Reports - NSPS

The owner or operator of any affected facility in any category listed in paragraphs (1) or (2) below is required to submit excess emission reports for any excess emissions which occurred during the reporting period in accordance with 40 CFR 60.49b(h).

- (1) Any affected facility subject to the opacity standards under 40 CFR 60.43b(e) or to the operating parameter monitoring requirements under 40 CFR 60.13(i)(1). This requirement applies when fuel oil is fired in the boiler and it does not apply when only natural gas and propane are fired in the boiler.
- (2) Any affected facility that is subject to the NO_x standard of 40 CFR 60.44b, and that
 - (i) Combusts natural gas, distillate oil, or residual oil with a nitrogen content of 0.3 weight percent or less, or
 - (ii) Has a heat input capacity of 73 MW (250 million Btu/hour) or less and is required to monitor NO_x emissions on a continuous basis under 40 CFR 60.48b(g)(1) or steam generating unit operating conditions under 40 CFR 60.48b(g)(2).
- (3) For the purpose of 40 CFR 60.43b, excess emissions are defined as all six-minute periods during which the average opacity exceeds the opacity standards under 40 CFR 60.43b(f). This requirement applies when fuel oil is fired in the boiler and it does not apply when only natural gas and propane are fired in the boiler.
- (4) For purposes of 40 CFR 60.48b(g)(1), excess emissions are defined as any calculated 30-day rolling average NO_x emission rate, as determined under 40 CFR 60.46b(e), which exceeds the applicable emission limits in 40 CFR 60.44b.

[PTC Condition]

3.35 NO_x Continuous Monitoring Reports - NSPS

In accordance with 40 CFR 60.49b(i), the owner or operator of any affected facility subject to the continuous monitoring requirements for NO_x under 40 CFR 60.48(b) shall submit reports containing the information recorded under 40 CFR 60.49b(g).

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.
Location: Dubois, ID

Facility ID No.: 033-00002

Date Issued: June 2, 2004
Date Expires: June 2, 2009

3.36 SO₂ Reports - NSPS

The owner or operator of any affected facility subject to the SO₂ standards under 40 CFR 60.42b, as specified by the EPA, shall submit reports in accordance with 40 CFR 60.49b(j), as specified below:

- 3.36.1 If the affected facility is subject to the compliance and performance testing requirements of 40 CFR 60.45b and the reporting requirement in 40 CFR 60.49b(j), the information described in 40 CFR 60.49b(k) shall be reported to the EPA Administrator and DEQ.
- 3.36.2 If the affected facility is subject to the sulfur dioxide monitoring requirements under 40 CFR 60.47b and the minimum amount of data required under 40 CFR 60.47b(f) were not obtained during the reporting period, the following information is reported, in accordance with 40 CFR 60.49b(m), to the EPA Administrator and DEQ in addition to that required under 40 CFR 60.49b(k):
- (1) The number of hourly averages available for outlet emission rates and inlet emission rates.
 - (2) The standard deviation of hourly averages for outlet emission rates and inlet emission rates, as determined in Method 19, Section 7.
 - (3) The lower confidence limit for the mean outlet emission rate and the upper confidence limit for the mean inlet emission rate, as calculated in Method 19, Section 7.
 - (4) The ratio of the lower confidence limit for the mean outlet emission rate and the allowable emission rate, as determined in Method 19, Section 7.

[PTC Condition]

3.37 Fuel Receipts - NSPS

If the permittee elects to demonstrate that the affected facility combusts only very low sulfur oil under 40 CFR 60.42b(j)(2), reports shall be submitted to the EPA Administrator and DEQ certifying that only very low sulfur oil meeting the definition described in 40 CFR 60.49b(r) was combusted in the affected facility during the reporting period, in accordance with 40 CFR 60.49b(r) and as specified by the EPA.

[PTC Condition]

3.38 Electronic Reporting - NSPS

The owner or operator of an affected facility may submit electronic quarterly reports for SO₂ and/or NO_x and/or opacity in lieu of submitting the written reports required under paragraphs (h), (i), (j), or (k) of 40 CFR 60.49b. The format of each quarterly electronic report shall be coordinated with the permitting authority (i.e., the EPA). The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the owner or operator, indicating whether compliance with the applicable emission standards and minimum data requirements of 40 CFR Part 60 Subpart Db was achieved during the reporting period. Before submitting reports in the electronic format, the owner or operator shall coordinate with the permitting authority to obtain their agreement to submit reports in this alternative format in accordance with 40 CFR 60.49b(v).

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

3.39 Reporting Period - NSPS

The reporting period for the reports required under 40 CFR Part 60 Subpart Db is each six-month period. All reports shall be submitted to the EPA Administrator and DEQ and shall be postmarked by the 30th day following the end of the reporting period in accordance with 40 CFR 60.49b(w).

[PTC Condition]

NSPS General Provisions**3.40 NSPS General Provisions**

The permittee shall comply with the General Provisions under 40 CFR Part 60 Subpart A for the Boiler.

[PTC Condition]

- 3.41 All requests, reports, applications, submittals, and other communications to the Administrator pursuant to 40 CFR 60 shall be submitted in duplicate to the appropriate Regional Office of the EPA, to the attention of the Director of the Division in accordance with 40 CFR 60.4, as given below. Copies of all information required to be submitted to the EPA for applicable NSPS requirements, shall also be submitted to DEQ at the address given in Section 2 of this permit.

EPA Region 10
Director, Air and Waste Management Division
1200 Sixth Ave.
Seattle, WA 98101

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee:	B. Larsen Farms, Inc.	Facility ID No.:	033-00002	Date Issued:	June 2, 2004
Location:	Dubois, ID	Date Expires:	June 2, 2009		

4. DRYER PROCESSES AND MATERIAL TRANSFER SYSTEMS**4.1 Process Description**

The Blaine Larsen Farms Dehydration Division is a potato processing company. The overall process primarily involves potato dehydration to make potato flakes. The processes addressed by this section are listed in Table 4.1 and this includes dryers, dehydration lines and material transfer systems. Emissions from each of these sources are uncontrolled except for the material transfer systems which are controlled by baghouses.

Table 4.1 EMISSIONS UNIT DESCRIPTIONS

Emissions Unit(s) / Process(es)	Emissions Control Device	Emissions Point
Dryer, Maxon, fluidized bed type	None	FLD DYR
Dryer, National, belt type with Stages A1, A2, B, and C	None	NAT_A1, NAT_A2, NAT_B, NAT_C
Dryer, Flaker/Drum type, Nos. 1-12	None	Drum1 through Drum12
Flake Packaging Bulk Line	Baghouse, Micropulsair	FP Bulk
Flake Packaging Line	Baghouse, Micropulsair	FP
Flake Packaging Torit Line	Baghouse, Torit	FP TOR
Flake Packaging Drum Negative Air Baghouse	Baghouse, Nol-Tech	FP_BH

Emissions Limits**4.2 PM₁₀ Emission Limits**

Emissions of PM₁₀ from the dryers and the Flake Packaging Torit Line stacks shall not exceed any corresponding emissions rate limits listed in the following table.

Table 4.2 DRYER PROCESS AND MATERIAL TRANSFER SYSTEM EMISSIONS LIMITS

Source Description	PM ₁₀ (lb/day)
Dryer, Maxon, fluidized bed type	18
Dryer, National, belt type; combined emissions from Stages A1, A2, B, and C	93
Dryer, Flaker/Drum type; combined emissions from Dryer Nos. 1-12	84
Flake Packaging Torit Line	10

[PTC Condition]**4.3 SO₂ Emission Limits**

Emissions of SO₂ from all production processes, excluding the Boiler, shall not exceed three tons per year based on any consecutive 12-month period.

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

Operating Requirements**4.4 Throughput**

The combined total output from the all 12 Flaker/Drum dryers, the fluidized bed dryer, and the National Dryer shall not exceed a rate of 468,000 pounds per day.

[PTC Condition]

4.5 Material Transfer System Control Equipment

The permittee shall operate and maintain a baghouse to control PM emissions from each of the following: Flake Packaging Line, Flake Packaging Bulk Line, Flake Packaging Torit Line, and the Flake Packaging Drum Negative Air Baghouse Line. The pressure drop across each baghouse shall be maintained within manufacturer's and O&M manual specifications.

[PTC Condition]

4.6 Baghouse Pressure Drop

Within 60 days of issuance this permit, the permittee shall install, calibrate, maintain, and operate pressure drop monitoring devices that measure the pressure differential across the baghouse for each of the following: Flake Packaging Line, Flake Packaging Bulk Line, Flake Packaging Torit Line, and the Flake Packaging Drum Negative Air Baghouse Line.

[PTC Condition]

4.7 Burner Fuels

Each dryer, and propane heaters no. 1, 2 and 3, shall combust only natural gas or propane.

[PTC Condition]

Monitoring and Recordkeeping Requirements**4.8 Throughput**

When in operation, the permittee shall monitor and record, on a daily basis, the calendar date and the combined total daily output, in pounds per day, from all 12 Flaker/Drum Dryers, the Fluidized Bed Dryer, and the National Dryer.

[PTC Condition]

4.9 Baghouse Pressure Drop

When in operation, the permittee shall monitor and record the pressure drops across each baghouse for the Flake Packaging Line, Flake Packaging Bulk Line, Flake Packaging Torit Line, and the Flake Packaging Drum Negative Air Baghouse Line on a daily basis.

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.
Location: Dubois, ID

Facility ID No.: 033-00002

Date Issued: June 2, 2004

Date Expires: June 2, 2009

4.10 Baghouse O & M Manual

Within 60 days of issuance this permit, the permittee shall have developed an O&M manual for the air pollution control equipment of the Flake Packaging Line, Flake Packaging Bulk Line, Flake Packaging Torit Line, and the Flake Packaging Drum Negative Air Baghouse Line. The manual shall incorporate procedures and information to demonstrate that the control equipment is operated as described in the permit application and as required under General Provision 2. At a minimum the following items shall be addressed in the manual:

- The contents of the O&M manual shall be based on manufacturers information to the extent this is practical. When the manufacturers information is not used (e.g., information obtained from a performance test), this should be explained in the manual.
- List the manufacturer's recommended minimum and maximum pressure drops for each baghouse.
- For each baghouse, include an inspection checklist which lists items that will be periodically inspected while the system is operating (e.g.: condition of the air pulse system or mechanical shaker system such as hoses, air valves, linkages, timers, switches, etc; condition of the structure and sheet metal such as cracks, leaks, seal problems, etc.; etc.). Describe how often these operational inspections will be performed. These inspections should be done at least monthly.
- For each baghouse, include an inspection checklist which lists items that will be inspected when the baghouse is taken out of operation and physically opened for inspection (e.g., items listed in the operational checklist plus condition of bags, bag supports, bag attachment hardware, internal pulse system or shaker hardware, sheet metal cracks, etc.). Describe how often these internal inspections are projected to occur.
- Describe periodic planned maintenance

A copy of the initial O&M manual, and any subsequent revisions, shall be submitted to DEQ.

[PTC Condition]

4.11 PM₁₀ Performance Test for the Fluidized Bed Dryer

Within 180 days of issuance of this permit, the permittee shall conduct a performance test to measure PM₁₀ emissions from the Fluidized Bed Dryer stack to demonstrate compliance with Permit Condition 4.2. For purposes of demonstrating compliance with Permit Condition 4.2, the emission rate of the Fluidized Bed Dryer must not exceed a value of 0.76 pounds per hour, based on the average of three test runs. This initial performance test, and any subsequent performance tests conducted to demonstrate compliance, shall be performed in accordance with IDAPA 58.01.01.157, Section 2 of this permit, and the following requirements:

- The Fluidized Bed Dryer shall be operated at the worst case normal production rate during the performance test. A description of how this requirement was met shall be included in the performance test report.
- Visible emissions shall be observed during each performance test run using the methods specified in IDAPA 58.01.01.625.
- The throughput of finished potato product from the Fluidized Bed Dryer shall be recorded in pounds per hour during each performance test.

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

4.12 PM₁₀ Performance Test for the National Dryer

Within 180 days of issuance of this permit, the permittee shall conduct a performance test to measure PM₁₀ emissions from the stack of one stage of the National Dryer (i.e., either Stage A1, A2, B, or C) to demonstrate compliance with Permit Condition 4.2. For purposes of demonstrating compliance with Permit Condition 4.2, the emission rate of the National Dryer stage tested must not exceed a value of 0.97 pounds per hour, based on the average of three test runs. This initial performance test, and any subsequent performance tests conducted to demonstrate compliance, shall be performed in accordance with IDAPA 58.01.01.157, Section 2 of this permit, and the following requirements:

- The National Dryer stage being tested shall be operated at the worst case normal production rate during the performance test. A description of how this requirement was met shall be included in the performance test report.
- Visible emissions shall be observed during each performance test run using the methods specified in IDAPA 58.01.01.625.
- The throughput of finished potato product from the National Dryer stage being tested shall be recorded in pounds per hour during each performance test.

[PTC Condition]

4.13 PM₁₀ Performance Test for a Flaker/Drum Dryer

Within 180 days of issuance of this permit, the permittee shall conduct a performance test to measure PM₁₀ emissions from one Flaker/Drum Dryer stack to demonstrate compliance with Permit Condition 4.2. For purposes of demonstrating compliance with Permit Condition 4.2, the emission rate of the Flaker/Drum Dryer must not exceed a value of 0.29 pounds per hour, based on the average of three test runs. This initial performance test, and any subsequent performance tests conducted to demonstrate compliance, shall be performed in accordance with IDAPA 58.01.01.157, Section 2 of this permit, and the following requirements:

- The Flaker/Drum Dryer shall be operated at the worst case normal production rate during the performance test. A description of how this requirement was met shall be included in the performance test report.
- Visible emissions shall be observed during each performance test run using the methods specified in IDAPA 58.01.01.625.
- The throughput of finished potato product from the Flaker/Drum Dryer shall be recorded in pounds per hour during each performance test.

[PTC Condition]

4.14 PM₁₀ Performance Test for a Flake Packaging Baghouse

Within 180 days of issuance of this permit, the permittee shall conduct a performance test to measure PM₁₀ emissions from the baghouse for one of the following material transfer systems: Flake Packaging Line, Flake Packaging Bulk Line, Flake Packaging Torit Line, and the Flake Packaging Drum Negative Air Baghouse Line. The test shall be conducted to demonstrate compliance with Permit Condition 4.2. For purposes of demonstrating compliance with Permit Condition 4.2 for the Flake Packaging Torit Line, the PM₁₀ emission factor obtained from the test shall be used to show that the Flake Packaging Torit Line emission rate will not exceed a value of 0.43 pounds per hour, based on the average of three test runs.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

This initial performance test, and any subsequent performance tests conducted to demonstrate compliance, shall be performed in accordance with IDAPA 58.01.01.157, Section 2 of this permit, and the following requirements:

- The baghouse shall be operated at the worst case normal production rate during the performance test. A description of how this requirement was met shall be included in the performance test report.
- Visible emissions shall be observed during each performance test run using the methods specified in IDAPA 58.01.01.625.
- The throughput to the baghouse being tested shall be recorded in pounds per hour during each performance test.
- The static pressure drop across the baghouse shall be monitored and recorded during each performance test.

[PTC Condition]

Reporting Requirements

- 4.15 The permittee shall submit notification to DEQ of the date all of the stack modifications are completed in accordance with Permit Condition 3.15.

[PTC Condition]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004	
Location: Dubois, ID		Date Expires: June 2, 2009	

5. SUMMARY OF EMISSION RATE LIMITS

Table 5.1 provide a summary of all emission rate limits required by this permit.

Table 5.1 SUMMARY OF EMISSION RATE LIMITS

Blaine Larsen Farms, Inc., Hamer Emissions Limits ^a – Hourly (lb/hr) and Annual ^b (T/yr)			
Source Description	PM ₁₀ ^c	SO ₂	
	lb/day	lb/day	T/yr
Boiler, Wabash Power Equipment ^d	199	1,680	244
Dryer, Maxon, fluidized bed type	18	---	---
Dryer, National, belt type; combined emissions from Stages A1, A2, B, and C	93	---	---
Dryer, Flaker/Drum type; combined emissions from Dryer Nos. 1-12	84	---	---
Flake Packaging Torit Line	10	---	---
All production processes, excluding the Boiler	---	---	3
TOTAL	---	---	247

^a As determined by a pollutant-specific EPA reference method, DEQ-approved alternative, or as determined by DEQ's emissions estimation methods used in the permit analysis.

^b As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

^c Includes condensable PM.

^d Refer to Section 3 of this permit to see the NSPS emission limits for the Boiler.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No.: T2-030514

Permittee: B. Larsen Farms, Inc.	Facility ID No.: 033-00002	Date Issued: June 2, 2004
Location: Dubois, ID		Date Expires: June 2, 2009

6. PERMIT GENERAL PROVISIONS

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
2. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
3. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
 - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack compliance testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
5. In the event of any change in control or ownership of source(s) covered by this permit, the permittee and succeeding owner or controller shall notify DEQ of the change in ownership. Any proposed change(s) or modification(s) to this permit by the succeeding owner or controller shall be requested in accordance with the *Rules for the Control of Air Pollution in Idaho*.
6. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
7. The Director may require the permittee to develop a list of operation and maintenance procedures to be submitted to DEQ. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
8. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.